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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536,879	05/27/2005	Takashi Harada	070456-0085	8323
20277 MCDEPMOT	7590 07/18/2007 Γ WILL & EMERY LLP		EXAMINER	
600 13TH STREET, N.W. WASHINGTON, DC 20005-3096			KASTLER, SCOTT R	
			ART UNIT	PAPER NUMBER
			1742	
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	•	•	07/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/536,879	HARADA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Scott Kastler	1742			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet wit	h the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re will apply and will expire SIX (6) MONT a, cause the application to become ABA	ATION. ply be timely filed HS from the mailing date of this communication. UNDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowal closed in accordance with the practice under E	action is non-final.	•			
Disposition of Claims					
4) ☐ Claim(s) 1-7 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-7 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o					
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposite and accomposite and any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to be drawing(s) be held in abeyand ition is required if the drawing(s	e. See 37 CFR 1.85(a). e) is objected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119		•			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5/27/05.		Mail Date ormal Patent Application			

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Japanese'018. Japanese'018 teaches, in the English language translation for example, a method of production of a thermoelectric material with a density of 95% or more of the theoretical density through compressing fine powder at between 0.5 and 3 GPa (overlapping the instantly claimed range of 1-10 GPa) and employing a further heat treating step on the same type of materials as the materials treated by the instant invention. It has been well settled that where a range disclosed by the prior art overlaps a claimed range, then absent any demonstrated new or unexpected result arising therefrom, motivation to select any value within the prior art range including those also within the claimed range would have been a choice prima facie obvious to one of ordinary skill in the art at the time the invention was made. See MPEP 2144.05. Since the staring materials are the same the processing steps are the same and the resulting product densities are the same, it would be reasonable to one of ordinary skill in the art at the time the invention was made to expect the resulting crystal sizes, resistivities and conductivities to also be substantially the same.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sadatomi et al is also cited as a further example of prior art.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Kastler whose telephone number is (571) 272-1243. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Scott Kastler Primary Examiner Art Unit 1742